Sales Guide

RICOH
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Aficio
MP 301SP/MP 301SPF

Digital B&W Multi Function Printer

☑ Copier ☑ Printer ☑ Facsimile ☑ Scanner

Aficio™
MP 301SP/SPF
30 ppm B/W

Contents

1. Introduction Page 5
2. Quick Overview Page 6
3. Product Positioning Page 9
4. Comparison with Predecessor Page 10
5. Configuration Page 12
6. Target Markets Page 14
7. Market Potential Page 16
8. Key Selling Points Page 17
    - 8.1 Affordable Page 18
    - 8.2 Highly Productive Page 20
    - 8.3 Easy to Use Page 22
    - 8.4 Well Governed Page 25
9. Service and Consumables Page 27
10. Specifications Page 28
11. EDP Codes Page 33
12. Competition Page 35

This sales guide is intended for internal use by company employees and dealer employees. It is not intended for customers. Information is provided as sales material and a training aid. Whilst care has been taken to ensure that information is accurate, no liability will be accepted for errors and omissions.

1. Introduction

- **Compact and affordable A4 MFPs**
- **Black-and-white printing and copying**
- **Colour scanning**
- **Fax (model / option dependent)**
- **30 single or double -sided A4 pages a minute**
- **Intelligent Next Generation Controller architecture (GWNX)**

Aficio MP 301SP and MP 301SPF are compact yet capable workflow solutions. Producing immaculate black-and-white output at speed, scanning in colour and communicating via fax, the new models will meet all A4 document needs. Network ready, they can be shared by workgroup users.

Designed as space saving and cost-effective alternatives to A3 multifunctional products, Aficio MP 301SP and MP 301SPF pack plenty of punch. Standout features include 30 page a minute productivity, colour touchscreen operation and advanced controller functionality.

Aficio MP 301SP combines print, copy and scan functionality. Aficio MP 301SPF also offers fax functionality and is equipped with a high capacity ARDF. The standard paper capacity of 350 sheets from a 250 sheet paper tray and 100 sheet multi bypass can be expanded to 1350 sheets.

A colour touch-screen, intuitive menu system and simple one-click PCL and PS3 print drivers make Aficio MP 301SP and MP 301SPF easy to use. A USB/SD card reader located to the side of the control panel increases access by enabling users to scan to, and print from, flash card memory.

Adopting Ricoh's I-Style design concept, the new MFPs have a smart utilitarian look. Operational areas - the functional parts of the MFP such as the operation panel and delivery area - are emphasised in dark grey.

Featuring Ricoh's next-generation controller, Aficio MP 301SP and MP 301SPF interact intelligently with users, improving access to information, automating document processes, controlling the financial and environmental costs of printing, and safeguarding document security.

Intelligent workflow features include the ability to customise the control panel, browse and print directly from the web, hold password protected documents in memory, add security information to printed documents and create digitally signed PDF copies.

Aficio MP 301SP and MP 301SPF can be included as part of a balanced enterprise-wide deployment of A3 and A4 devices, positioned as compact and cost-effective alternatives to competitors' A3 MFPs or used to replace less capable desktop devises.

This guide explores the functionality of the new products in more detail, explaining new features and identifying key selling points. It also provides side-by-side comparisons of competitor engines.

2. Quick Overview

What are they and what do they do?

Aficio MP 301SP and MP 301SPF are compact and affordable A4 MFPs. Workflow solutions, they feature Ricoh's intelligent Next Generation Controller. Both models produce immaculate black-and-white output at a speed of 30 pages a minute and provide the means to scan documents in full colour. Aficio MP 301SPF incorporates fax functionality and is equipped with an ARDF.

The main specifications are:

- A4 desktop MFPs
- Black-and-white printing and copying
- Colour scanning
- Fax (standard with Aficio MP 301SPF/ option for Aficio MP 301SP)
- 30 pages a minute / 1800 pages an hour
- Network ready
- USB/SD card slot
- PCL, PS3 and PDF direct
- Compact I-Style design
- Tilting colour touch-screen panel
- 250 sheet paper tray and 100 sheet bypass
- ARDF (standard with Aficio MP 301SPF/ option for Aficio MP 301SP)

What do they replace and why?

Aficio MP 301SP and MP 301SPF are new additions to Ricoh's A4 mutifunctional product range. They are positioned above Aficio MP 201SPF. The new models are more productive and, with their colour touch-screen operation panel and one-click print drivers, easier to use.

Key selling points include:

- Space saving multifunctional solutions
- Affordable A4 engine with low page cost
- Quick warm up and recovery
- 30ppm productivity
- Single and double-sided printing
- Colour touch-screen panel
- Customisable home screen
- Browse and print web pages
- ECO-information displayed on screen
- Print from and scan to USB/SD card (requires optional HDD)
- Scan A6 documents (a banking sector requirement)

- Save scanned documents as digitally signed PDFs
- Add mandatory security information
- Output switch timer for received fax
- Quota setting and management

How are they configured and what options are there?

Aficio MP 301SP combines print, copy and scan functionality. Aficio MP 301SPF also incorporates fax functionality and is supplied with an ARDF. Both models are equipped with a 250 sheet front loading paper tray, 100 sheet multi-bypass and duplex. The standard paper capacity can be expanded to 1350 sheets.

Aficio MP C301SP and MP C301SPF

Standard Configuration:

- 30 ppm A4 mono print engine
- Copy, print and scan functionality
- Fax*1
- High capacity ARDF*1
- Tilting colour touch-screen panel
- USB/SD card slot
- PCL, PS3 and PDF direct print drivers
- High speed duplex
- 250 sheet paper tray
- 100 sheet multi bypass

*1 standard with MP 301SPF / option for MP C301SP

Options include:

- Platen Cover or ARDF*2
- Fax*2
- One or two 500 sheet paper trays
- Hard disk drive with Data Overwrite Security and HDD Encryption
- Gigabit ethernet interface
- Wireless interface
- Bluetooth interface
- Parallel interface
- SD card for NetWare printing
- VM card
- Browser unit
- File format converter

*2 option for MP 301SP only

Functionality, feeds and speeds

		Aficio MP 301SP	Aficio MP 301SPF
Function	Copier	Standard (mono)	
	Printer	Standard (mono)	
	Scanner	Standard (colour)	
	Doc Server	Option	
	Fax	Option	Standard
Paper	Paper Format (min/max)	A6/A4	
	Paper Capacity (std/max)	350/1350	
	Output Capacity (std/max)	250/250	
Speed	First Page (mon/col)	5.4s	
	Engine Speed (mon/col)	30ppm	
	Duplex Speed (mon/col)	18ppm	
Handling	ARDF	Option	Standard (50 sheet)
	Duplex	Standard (trayless)	
	Bypass	Standard (100 sheet)	

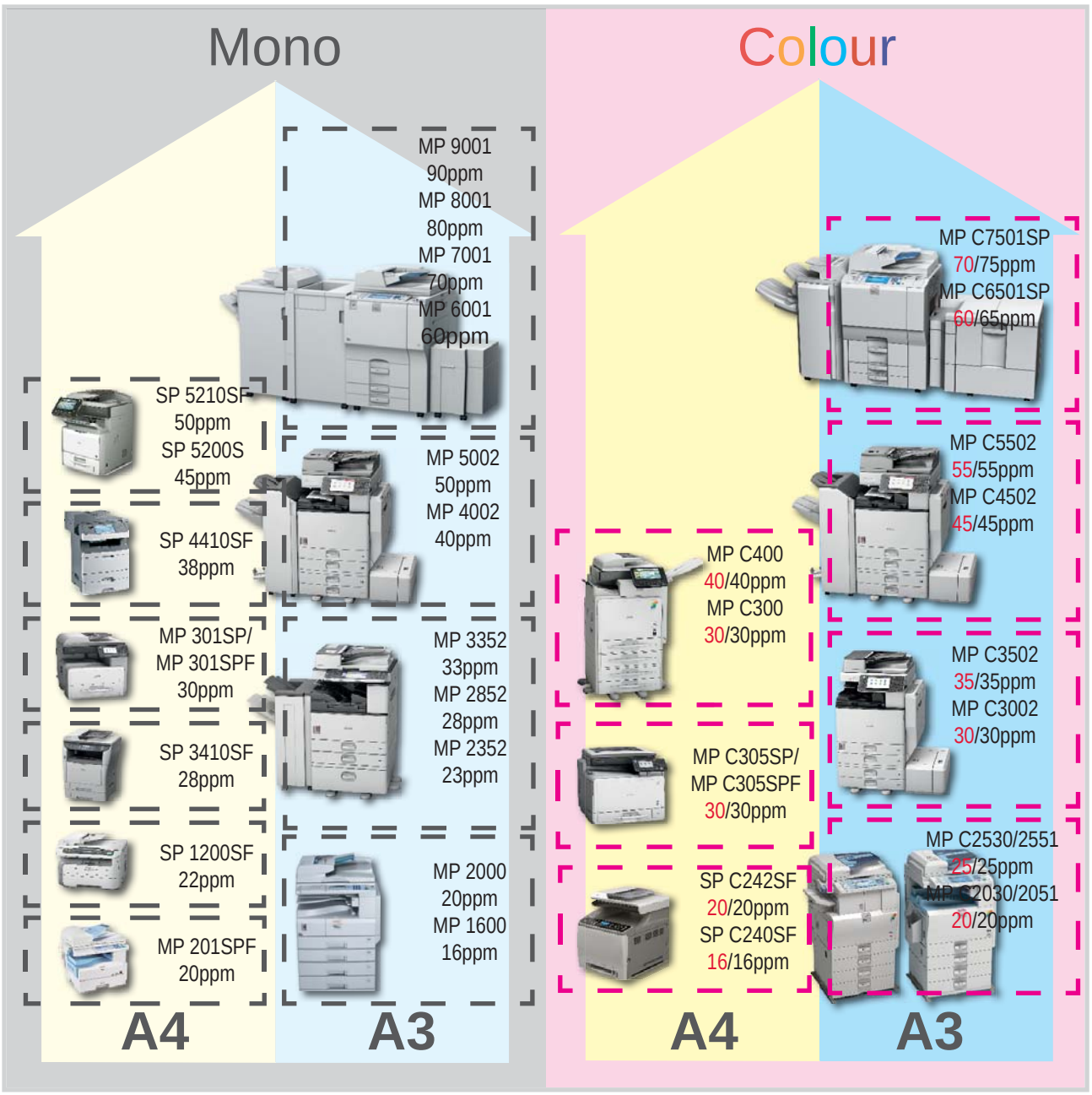
Target volumes and reliability

	Aficio MP 301SP	Aficio MP 301SPF
Average Monthly Volume	2,000	
Maximum Monthly Volume (5yr life)	5,000	
Monthly Duty Cycle	20,000	
PM Cycle	45,000	
MCBC	21,200	
Life	5 yrs / 300,000	

3. Product Positioning

- Black and white A4 MFP
- Compact and affordable alternative to A3
- 3-in-1 / 4-in-1 functionality
- Latest I-Style design
- Intelligent controller automates workflow
- Supplement floor standing A4 and A3 MFPs

Within Ricoh's office mono and colour MFP range:



4. Comparison with Predecessor

- **50% more productive**
- **Compact space saving design**
- **Colour touch-screen display**
- **Next Generation Controller archticture**
- **Wide page duty cycle**
- **Low total energy consumption (TEC)**

Aficio MP 301SP and MP 301SPF are new additions to Ricoh's A4 mutifunctional product range. They are positioned above Aficio MP 201SPF. The new models look strikingly different, are more productive and, with their colour touch-screen operation panel and one-click print drivers, are easier to use.

The main advantages over Aficio MP 201F and MP 201SPF are described below.

50% More Productive

Aficio MP 301SP and MP 301SPF are more productive. Aficio MP 301SP and MP 301SPF produce single and double-sided output a speed of 30 A4 pages a minute, 50% faster than Aficio MP 201F and MP 201SPF, enabling them to meet the needs of more users in less time.

Faster First Page

To maintain productivity, one-off copies and prints are produced more quickly too. Aficio MP 301SP and MP 301SPF deliver their first page in under six seconds, 20% faster than Aficio MP 201F and MP 201SPF. An interrupt feature allows one-off copies and prints to be made without affecting job settings.

Space Saving Designe

Aficio MP 301SP and MP 301SPF take up less space than Aficio MP 201F and MP 201SPF. With a tiny footprint of just 0.214 m² and a low profile of just 451 mm (height with ARDF), they can be installed on the corner of a desk or on a filing cabinet, saving floor space.

Easier to Use

The 4-line LCD operation panel of Aficio MP 201F and MP 201SPF has been replaced with a colour touch-screen display. Brightly lit icons improve access and simplify operation. The home screen can be customised and preferred settings can be ported from one Ricoh device to another.

Energy Efficient

Aficio MP 301SP and MP 301SPF are 11.5 % more energy efficient than their predecessors. The new models use minimal energy in standby mode and, with the help of Quick Start-Up (QSU) technology, recover to full readiness in less than 10 seconds. The result is a low Total Energy Consumption (TEC) rating of just 1.511kWh (MP 301SF) and 1.535kWh (MP 301SPF).

Optional Document Server

A document server is available as an option for the new models. Regularly printed documents such as expense sheets and maps can be saved in the document server and printed on demand, eliminating the need to hold pre-printed stock.

Wider Duty Cycle Rating

Aficio MP 301SP and MP 301SPF have a duty cycle of 20,000 pages, 33% higher than that of Aficio MP 201F and MP 201SPF. With a wider duty cycle rating, the new models can be expected to cope reliably with peaks in document volume.

A6 Scanning

A6 scanning is a key requirement in the banking sector where payment receipts and acknowledgements have to be scanned and copied. Aficio MP 301SP and MP 301SPF support A6 scanning. To simplify access, a one-touch A6 scanning icon can be saved to the homepage.

Next Generation Controller Architecture

Incorporating Ricoh's Next Generation Controller architecture, Aficio MP 301SP and MP 301SPF interact intelligently with users, improving access to information, automating document processes, controlling the financial and environmental costs of printing, and safeguarding document security.

The advantages of Ricoh's Next Generation Controller architecture are explored in section 8, Key Selling Points. They include:

Simplifying Access

- Customisable home screen
- Import preference settings
- Web browser
- USB/SD card reader

Automating Workflows

- One-click print drivers
- Print scheduling
- Auto job promotion
- Remote fax

Establishing Control

- Quota setting
- Duplex default
- Eco-information screen
- Mandatory hold print

Safeguarding Security

- Mandatory security information
- DOSS and HDD encryption
- Digitally signed PDF
- Fax output time

4. Configuration

Hardware Configuration

Aficio MP 301SP and MP 301SPF are supplied in the following hardware configuration:

1 = ARDF [*1] (50 sheets)
2 = Paper tray 1 (250 sheets)
3 = Bypass tray (100 sheets)
4 = Duplex unit
5 = Internal output tray (250 sheets)

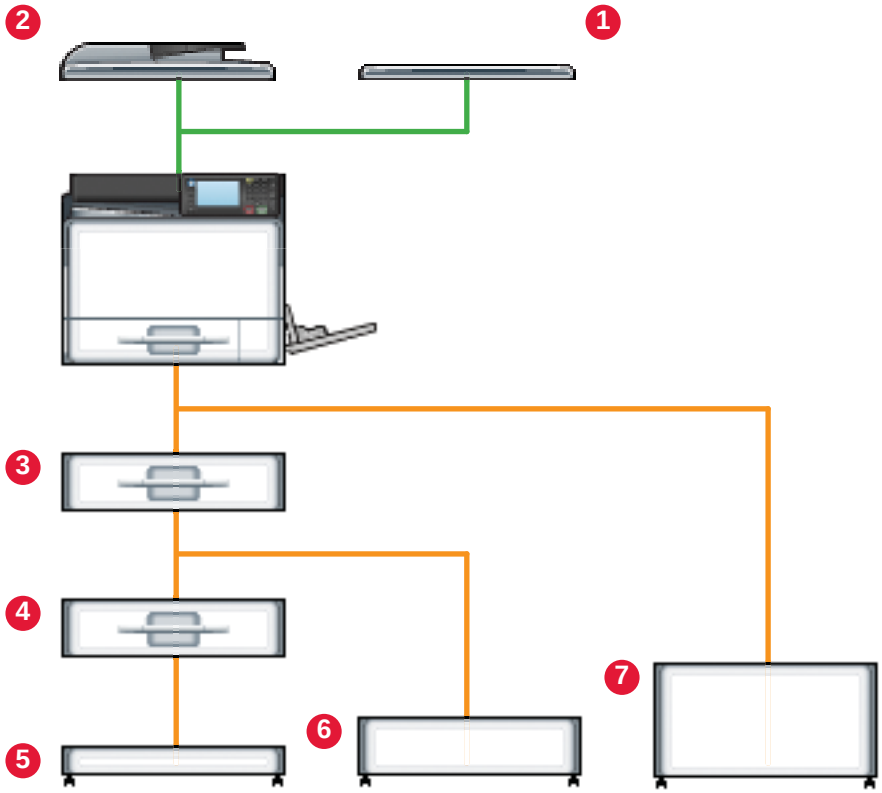
[*1] standard with MP 301SPF / option for MP 301SP

External Options

The following external options are available for Aficio MP 301SP and MP 301SPF:

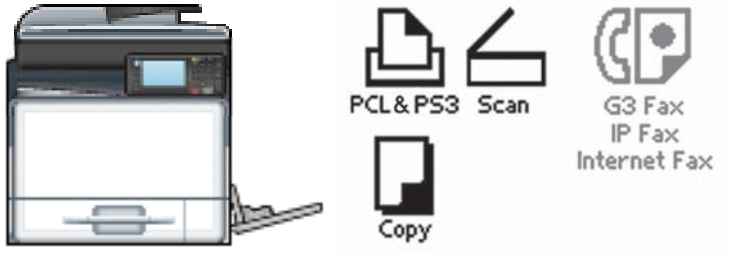
1 = Platen Cover (PN1010)[*1]
2 = ARDF (DF1030)[*1*2]
3 = 1st 500 sheet Paper Feed Unit (BP1040)
4 = 2nd 500 sheet Paper Feed Unit (BP1040)
5 = Low Cabinet
6 = Medium Cabinet
7 = High Cabinet

[*1] option for MP 301SP only
[*2] standard with MP 301SPF



Function Configuration

Aficio MP 301SP is network ready and will print and copy in black and white and scan in full colour. Aficio MP 301SPF also includes fax functionality. A USB/SD memory card reader provides the means to print from and scan to flash memory. Aficio MP 301SP and MP 301SPF are equipped with single-click PCL and PS3 print drivers and PDF direct print. Both models feature Ricoh's next-generation controller architecture.



Fax is an option for Aficio MP 301SP (it is standard with Aficio MP 301SPF). Adding the fax option provides G3 fax, LAN fax, Internet Fax and IP fax functionality. Other function upgrade options include a 128 GB hard drive option equipped with DataOverwrite Security and Encryption, NetWare printing, VM card, browser unit, file format converter and various network interfaces.

Function Configuration		Aficio MP 301SP / MP 301SPF
Print Controller		Standard
Scanning		Standard
Document Server		Option
Interfaces	USB2.0	Standard
	10/100Base-Tx	Standard
	1000Base-T	Option
	IEEE802.11a/g	Option
	USB/SD Card Slot	Standard
	PictBridge	Option
	Bluetooth	Option
PDL	PCL5e/6	Standard
	PS3	Standard
	IPDS	N/A
Java V/M Card		Option
G3 Fax		Option / Standard
Internet, LAN and IP Fax		Option (included with Fax) / Standard
Remote Fax		Option / N/A
Data Overwrite Security		Option (included with Document Server)
HDD Encryption		Option (included with Document Server)

6. Target Markets

- **Any organisation with desktop / satellite imaging needs**
- **Major accounts, local government, SMEs**
- Optimise: **balanced enterprise-wide deployment of A3 and A4 devices**
- Consolidate: **upgrade single function devices and introduce colour**
- Replace: **cost-effective space-saving alternative to A3 MFPs**
- New Placement: **compact and affordable solution for new customers**

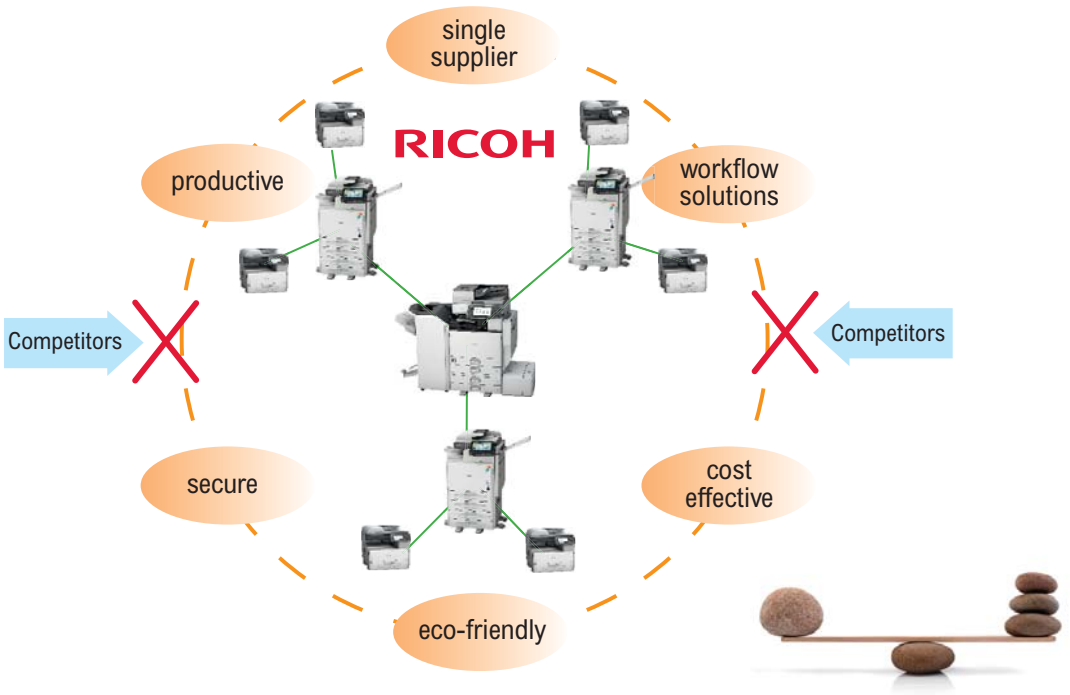
Aficio MP 301SP and MP 301SPF are compact yet capable workflow solutions. Producing immaculate black-and-white output at speed, scanning in colour and communicating via fax, the new models will meet all A4 document needs. Network ready, they can be shared by workgroup users.

Aficio MP 301SP and MP 301SPF can be included as part of a balanced enterprise-wide deployment of A3 and A4 devices, positioned as compact and cost-effective alternatives to competitors' A3 MFPs or used to consolidate the functionality of standalone printers, fax machines and scanners.

Sales strategies are explored below:

Optimise (fleet optimisation)

- Who: Major accounts, local government and commercial customers
- Situation: Departmental MFPs and printers, single function desktop devices
- Requirements: Versatile and accessible technology, common device management, low total cost of ownership
- Strategy: Fleet optimisation, replace legacy devices, balanced deployment, centralised A3 MFPs supported with satellite A4 MFP
- Advantages: Uniform platform, simplified workflow, better device management, lower costs



Consolidate (single to multifunction)

- Who: Major accounts, local government and commercial customers
- Situation: Single function devices, including mono laser printers, fax machines and scanners
- Requirements: Compact all-in-one solution, shared network device, low total cost of ownership
- Strategy: Replace single function devices, 4-in-1 functionality, PpP contract, integrated device management
- Advantages: Release desk space, shared resource, wider functionality, lower running costs

Replace (competitor A3 MFP to Ricoh A4 MFP)

- Who: Major accounts, local government and commercial customers
- Situation: Floor standing mono A3 MFPs, little or no A3 output (or departmental A3 devices capable of meeting A3 needs)
- Requirements: Maintain productivity whilst releasing space and saving money
- Strategy: Replace A3 with A4, compact yet capable solution, lower total cost of ownership
- Advantages: Release floor space, reduce cost of ownership, simplify workflow

New Placement (all-in-one solution)

- Who: New startup, branch office, reception desk, shop
- Situation: New opportunity, no existing office equipment
- Requirements: Print, copy scan and fax, low cost of acquisition, low running costs
- Strategy: Compact all-in-one solution, USB/SD card access, transparent PpP contract
- Advantages: Meets all document needs, requires little space, low total cost of ownership

7. Market Potential

- A4 MFPs account for 44% of sales
- 11% year on year growth in A4 sales
- €650 million market
- 25 billion pages
- 200,000 units forecast for 2012
- Ricoh 2nd largest brand share

Growing Demand for A4

With customers looking to save space and reduce costs of ownership, A4 devices are becoming increasingly important. 416,000 20-39 ppm mono MFPs were purchased in Western Europe in 2010 of which 44% were A4 devices. Sales of 20-39 ppm A4 mono MFPs are expected to have grown by more than 10% in 2011.

25 Billion Pages / €650 Million Market

More than 200,000 20-39 ppm A4 mono MFPs will be sold in Western Europe in 2012, generating a hardware revenue of around €280 million. With each machine producing some 120,000 pages over its lifetime, machines purchased in 2012 will print more than 25 billion pages. Factor in a lifetime service and paper revenues and the market in 2012 is worth almost €650 million.

€3,181 Lifetime Revenue Potential

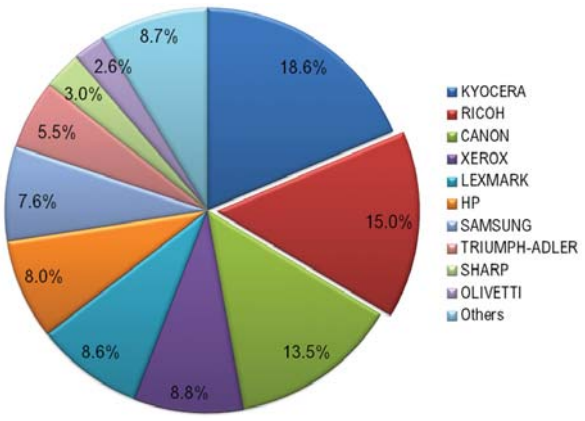
In 2010, the average selling price of a 20-39ppm A4 mono MFP was €1,381. Assuming an average monthly volume of just 2,000 pages, each machine will generate additional service and paper revenues of €1,800 over a five-year life. Every 20-39ppm A4 mono MFP sold has the potential to generate lifetime revenue streams of €3,181.

Machine Sales Revenue	€1,381
Average Monthly Volume	2,000
Service Revenue (60 months x 2,000 pages x .75 cents)	€900
Paper Revenue (60 months x 2,000 pages x .75 cents)	€900
Total Lifetime Revenue	€3,181

Leading Brand

With its affordable copier-based solutions and strong dealer/direct sales channels, Ricoh has quickly become a key player in the A4 20-39ppm sector. Full year projections for 2011 suggest that Ricoh has achieved number two status with a brand share of 15%, 1.5% ahead of Canon and more than 6% ahead of Xerox, Lexmark, HP and Samsung.

The introduction of Aficio MP 301SP and MP 301SPF will strengthen Ricoh's product range in this sector and is expected to help Ricoh achieve the leading brand share during 2012.



Figures are projections based on market data provided by Infosource SA

8. Key Selling Points

- **Compact and affordable A4 MFPs**
- **Lower hardware cost than A3 device and similar CPP**
- **Simple operation with colour touch-screen panel and one-click drivers**
- **30 single or double-sided A4 pages a minute**
- **Intelligent controller automates workflow and safeguards security**
- **Eco-friendly with low TEC and eco information screen**

Affordable
- Low capital cost (A4 engine)
- Low page cost (similar to A3)
- Transparent PpP service concept
- 3-in-1 / 4-in-1 solution
- Remote (shared) fax option*1

*1 Available late 2012

Versatile
- Compact desktop MFP
- Print, copy, scan and fax*1
- Single and double sided printing
- Network ready
- Expand paper supply to 1350 sheets

*1 Std with MP 301SPF / opt for MP 301SP

Easy-to-Use
- Tilting colour display
- Intuitive touch-screen operation
- Customisable home screen
- Single-click icon-based drivers
- Integral USB/SD card reader

Productive
- Fast warm up and recovery
- Quick one-off copies and prints
- Productive 30 ppm throughput
- Integral duplex
- Wide service interval

Controlled
- Multi-level authentication
- 1000 user codes
- Quota setting
- Mandatory security information
- Unauthorised copy control

Eco-Friendly
- Low TEC (total energy consumption)
- Duplex default
- Scan to email, folder and FTP
- Eco information screen
- Locked print

8.1 Key Selling Points - Affordable

- **Compact desktop design**
- **3-in-1 / 4-in-1 functionality**
- **Meet all black-and-white imaging needs**
- **Shared network-ready resource**
- **Low TCO (low capital cost and low page cost)**
- **Transparent PpP service concept**

Space Saving Design

Aficio MP 301SP and MP 301SPF have a tiny footprint of just 0.214 m² and a low profile of just 451 mm (height with ARDF). The tiny footprint and low profile means they can be installed on the corner of a desk or on a filing cabinet, saving floor space. The desktop design means that Aficio MP 301SP and MP 301SPF can be offered a space saving alternative to floor standing printers and MFPs.

Versatile Functionality

Compact yet highly productive, the new models will meet all A4 document needs. Both models print and copy in black and white and scan in full colour, producing immaculate single and double-sided output and providing the means to scan documents to e-mail, USB/SD memory and network locations. Aficio MP 301SPF also incorporates fax functionality and is equipped with an ARDF.

Low Total Cost of Ownership

With their A4 print engines, Aficio MP 301SP and MP 301SPF are more affordable than A3 devices of comparable specification. The low cost of acquisition is matched by low running costs. Aficio MP 301SP and MP 301SPF's page costs are similar to those of equivalent A3 devices. Aficio MP 301SP and MP 301SPF support @Remote and can be serviced on a toner inclusive PpP contract basis.

Configured for Use

Aficio MP 301SP and MP 301SPF are configured ready for use. No additional expenditure is necessary. Aficio MP 301SP is network ready and will print, copy and scan. Aficio MP 301SPF incorporates fax functionality and is equipped with an ARDF. Both models are equipped with a 250 sheet paper tray, 100 sheet multi-bypass and duplex.

Shared Resource

Both models are supplied with an ethernet network interface card and can be connected directly to a wired network for shared use as a network printer/ scanner. With workgroup users sharing the same device, there is no need for additional devices, reducing initial costs and providing a fast return on investment.

Integrated Fax

Aficio MP 301SPF incorporates fax functionality. Fax is an option for Aficio MP 301SP. Outbound messages are scanned in just 2.4 seconds and transmitted in 2 seconds. Fax functionality reduces the total cost of ownership. There is no need for a dedicated standalone fax machine and inbound faxes are printed at a lower page cost.

**Remote Fax Option*
(also requires HDD option)**

Using the Remote Fax function, users can send or receive fax documents via an Aficio MP 301SP and MP 301SPF which is not configured with a fax option by sharing the fax option attached to another Afico MFP on the same network. This feature saves money by reducing the initial investment for fax options and eliminating the running costs of maintaining multiple fax lines.
*Available late 2012

High Capacity ARDF

Aficio MP 301SPF is equipped with a high capacity ARDF which can be used to feed single and double sided originals for scanning and copying. The ARDF for will feed up to 50 originals and scan them at speeds of up to 30 images per minute. Copies are printed from memory. The originals can be removed for filing whilst copies are being produced, saving time.

Duplex

The new models are equipped with a duplex which automatically cycles paper to produce smartly presented double sided output, saving paper. The interleaving design means that there is no restriction on the number of duplex copies and prints that can be made. The duplex unit is an integral part of the MFP design and takes up no additional space.

250 Sheet Paper Tray

The standard front loading paper tray is easy to access and will hold 250 sheet of paper. It can be adjusted to feed paper formats from A6 to A4 and can be used to feed a wide range of papers including recycled paper, labels and pre-printed letterhead paper of 60 to 90 gsm.

Active 100 Sheet Bypass

The integral 100 sheet bypass can be used to feed stacks of non-standard media including heavyweight paper stock of up to 157 gsm. Use of the bypass saves time by reducing the need to remove and replace media held in standard tray when printing onto non-standard media.

1350 Sheets Maximum Capacity

The standard paper capacity of 350 sheets (1 x 250 sheet standard paper tray and 1 x 100 sheet bypass) can be extended to 1350 sheets. One or two optional 1 x 500 sheet paper decks can be installed. Increasing the paper capacity improves productivity by reducing the number of interruptions for replenishment.

8.2 Key Selling Points - Productive

- **Quick Start-Up (QSU) technology speeds warm up and recovery**
- **Fast one-off copies and prints**
- **30 pages a minute / 1800 pages an hour in colour and/or mono**
- **Integral duplex**
- **Wide service interval**
- **@Remote service support**

Quick Warm Up and Recovery

Quick start-up (QSU) technology speeds the warm up and recovery process. The new MFPs are ready to print within 30 seconds of powering up and will recover from energy-saving mode to full readiness in just 10 seconds, reducing frustrating delays and making it more likely that eco-friendly energy saving modes are employed.

Fast One-Off Copies and Prints

One-off prints and copies are delivered at speed to maintain productivity and reduce queues at the MFP. The first print is produced in less than 6 seconds. An interrupt feature allows one-off copies and prints to be made without affecting job settings.

30ppm Productivity

Aficio MP 301SP and MP 301SPF will produce immaculate 600 x 600 dpi prints and copies at a speed of 30 A4 pages a minute; more than fast enough to meet the needs of a small workgroup. Running non-stop, they can produce 1800 prints and copies an hour.

Integral Duplex

The new models are equipped with interleaving duplexes which automatically cycle paper for double sided output. There is no restriction on the number of duplex prints which can be made and, with the duplex running at 18ppm (60% of full engine speed), there is little reduction in productivity when double sided output is produced.

Scheduled Print
(requires HDD option)

To enhance productivity, the Scheduled Print feature can be used to determine a time at which specific documents are be printed. Using this feature, it is possible to schedule long print jobs - invoices, statements, reports etc - to run overnight or at the weekend, when they are less likely to cause inconvenience to other users.

High Speed Networking Options

All models are supplied with an Ethernet network interface card and can be connected directly to a wired network for shared use as a network printer/ scanner. Additional high speed network options include a wireless interface which supports the latest high-speed 'G' standard and a gigabit Ethernet interface option which provides ultrafast wired network connectivity.

Reliable Performance

The new machines are incredibly reliable. Using @ Remote, the devices can be monitored in a real-time and problems resolved before they become apparent users. With target MCBCs (mean copies between calls) of 21,200 pages, customers producing 2,000 pages a month, might expect to need a service visit once every ten or eleven months.

@Remote

8.3 Key Selling Points - Easy to Use

- **Tilting colour display with intuitive touch-screen operation**
- **Customisable home screen**
- **Single-click icon-based drivers**
- **Integral USB/SD card reader**
- **Scan to email, folder, network location and FTP**
- **Optional document server**

Colour Touch-Screen Operation

Ricoh's I-Style design concept is both eye-catching and effective. A tilting colour touch-screen display - the centrepiece of the MFP - simplifies operation. The white and grey colour scheme has a contemporary look which works well in the modern office environment. Operational areas such as the operation panel and delivery area are emphasised in dark grey.

Simple Menu System

The menu system is intuitive and easy to use. Even seemingly complex tasks like producing booklets and magazines are made easy with press button selection. A button on the right of the control panel switches the colour display to a simplified setting allowing users with visual impairment view menu options machine more easily.

Customisable Home Screen (requires HDD option)

The home screen of the MFP can be customised. A corporate logo can be inserted at the upper right corner of the screen and the desktop customised to include preferred function icons. Individual users can also create their own personal home screens* to include a programme shortcut which automates a frequently used operation.

*In combination with User Authentication

Export Preference Settings

Users can export preference settings such as System Settings, Application Settings and program shortcuts from the MFP to an SD card or local folder on a client PC using WebImageMonitor. These settings can then be applied to other supported Aficio MFPs. This feature simplifies setup as the administrator can quickly apply the same settings to multiple devices.

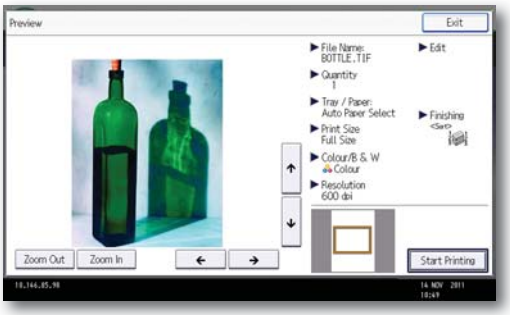
Web Browser
(option, also requires HDD option)

Using the optional MFP Web Browser, users can browse external websites and print out the displayed page directly from the operational panel of the MFP. Webpage addresses can be registered as bookmark icons on home screen. Using this feature, users can print Google maps, e-tickets and coupons without needing to access a PC/Mac.

It should be noted that this feature does have some limitations. Because of the way they are compiled, some web pages cannot be displayed within the web browser and web pages consisting of multiple frames cannot be printed. Unfortunately it is not possible to ascertain in advance which web pages are supported and which are not.

USB/SD Card Reader

The new MFPs are equipped with a USB/SD card reader. Located on the right side of the operation panel, the card reader is easily accessible. Particularly useful in walk up environments, the card reader enables users to print PDF documents and JPEG / TIFF images without needing to open them first on a PC. JPEG files can be previewed in colour on the MFPs operation panel. Please note, the optional HDD is required to print from USB/SD card memory.



AirPrint Support*

AirPrint Support enables users to print directly from i0S 4.2 supported devices such as iPhone and iPad to the new MFPs. In the wireless mode iOS devices will automatically locate supported devices. E-mails, photographs, web pages and other documents are easily printed without need to download print drivers or make a physical connection with the device.

*Please note, the release of this feature is subject to third party certification

Mail to Print

Mail to Print is a new feature that enables users to send an e-mail with attached data directly to a postscript enabled MFP for printing. This feature will prove useful in environments where use is made of handheld smart phones. Using Mail to Print, messages and attachments received on a smart phone can be printed directly to the Aficio MFP without need to open them on a PC.

PDF Direct Print

PDF Direct Print enables PDF documents to be printed directly to a postscript enabled MFP. Although PDF files are relatively small, when processed they become larger and can place unnecessary load on the network. Using PDF Direct Print documents are processed by the MFP rather than the PC, reducing network traffic and releasing computer resource.

Letterhead Printing

The letterhead printing feature synchronises the simplex and duplex paper paths so that a single tray of pre-printed letterhead paper can be used for both simplex and duplex pages. Whether printing single or double sided, the Ricoh MFP will leave a border at the top of the first page to avoid printing on the letterhead.

Layout and Booklet Printing
(support for Mac OS)

Layout and booklet printing* is supported in Mac 0S and Windows environments. Using this feature it is possible to save paper by presenting large documents such as multi-slide PowerPoint presentations in a compact booklet format. Multiple pages are automatically tiled and paginated by the MFP and printed ‘N-up’ (2 in 1 or 4 in 1) in booklet format.

* Please note, Aficio MP 301SP and MP 301SPF can print booklets but as there is no booklet finishing option, the user will need to fold and staple the documents.

Fast, High Resolution Colour Scanning

The new models are configured ready to print, copy and scan. Aficio MP 301SP and MP 301SPF will scan documents in colour at speeds of up to 30 originals per minute (the scanning speed is determined by scanning resolution). Documents can be forwarded to email, saved to a USB/SD memory card or to a network location.

A6 Scanning

A6 scanning is a requirement in the banking sector where payment receipts and acknowledgements presented as A6 dockets have to be routinely scanned and copied. Aficio MP 301SP and MP 301SPF support A6 scanning. To simplify access, A6 scan dimensions can be programmed and saved as one-touch A6 scanning shortcut on the home screen.

Drop Out Colour

Using the Drop Out Colour feature, it is possible to screen a colour when scanning. The feature enables users to remove information such as handwritten notes from the document before storage or reproduction. As well as cleaning up the appearance of documents, this feature will enhance OCR capability improving the effectiveness of electronic document management systems.

WS Scanner

WS Scanner is a new feature compatible with the WSD (Web Services for Devices) protocol introduced with Windows Vista and continued with Windows 7. The feature allows users to pre-configure scan settings at their PC and scan documents to PC using the specified settings without having to change scanned parameters at the MFP.

High Compression PDF

Conventional scanners have difficulty maintaining a balance between file size and image quality. The Aficio range uses High Compression PDF for single and multipage documents with the optimum file size determined by the scanner depending upon the ratio of image to text. Generating compressed PDF files reduces network traffic, particularly if printed using PDF Direct Print.

Encrypted PDF Transmission

PDF documents scanned to email, saved to a USB/SD memory card or to a network location can be encrypted and password protected to ensure they are read only by the intended recipient. This feature will appeal to companies and department handling confidential documents such as new product information, contracts and personal data.

Document Server (requires HDD option)

The optional document server can be used to store up to 3,000 documents / 9,000 pages. Documents can be scanned directly to the document server or received by fax, email or IP transfer. Regularly printed documents such as expense sheets can be saved in the document server and printed on demand, eliminating the need to hold pre-printed stock.

Search and Preview

Documents in the optional document server can be searched by file name or by thumbnail. The thumbnail feature can also be used to preview and confirm it documents content. Previewing scanned documents allows users to check the appearance of scanned data before transmission, eliminating potentially costly or embarrassing errors.

LDAP Addressing

With LDAP support (Lightweight Directory Access Protocol), uses are able to select email and fax addresses from the control panel of the MFP. Fax numbers and email addresses are updated automatically from LDAP servers. Users can search for fax numbers at the MFP control panel. Addresses can be searched by name, email address, number, company and department name.

8.4 Key Selling Points - Well Governed

- Energy Efficient technology
- Eco information screen
- 1000 unique user access codes
- Quota setting
- Mandatory security information
- Unauthorised copy control

Energy Efficient

Ricoh multifunctional products are designed to be energy efficient, reducing electricity bills and minimising carbon emissions. Aficio MP 301SP and MP 301SPF use minimal energy in standby mode and, with the help of Quick Start-Up (QSU) technology, recover to full readiness in less than 10 seconds. The result is a low Total Energy Consumption (TEC) rating of just 1.511kWh (MP 301SF) and 1.535kWh (MP 301SPF).

Eco-Information Screen

An eco-information screen can be displayed as a pop-up on the operation panel. The pop-up advises the total number of pages printed by a user and shows any reduction they have made in paper consumption through use of duplex and N-up printing. The pop-up has a free type area in which the administrator can promote a corporate environmental message.

Duplex Default

To encourage eco-friendly behaviour and cut paper consumption, duplex printing is set as the default print setting in the standard PCL and PS print drivers provided on CD with the MFP. If required, users can override the default setting by manually selecting ‘simplex printing’ or by changing the default setting for duplex printing to ‘off’.

Banner Page Print

Using the new Banner Page print feature, a job sheet is printed at the start of the print job identifying the originator. This feature makes it easier to identify work in a busy environment, reducing the risk of work being mislaid or duplicated. The Banner Page includes the originators username, the date and time of printing, the originating computer’s hostname and a job name.

Mandatory Security Information

Compulsory Security Stamp
OK
Cancel
Copier
Compulsory Security Stamp : On Off
Date/Time : Stamp Do not Stamp
Printout User Name : Stamp User Name Stamp Login User Name Do not Stamp
Machine ID : Stamp Do not Stamp
Machine IP Address : Stamp Do not Stamp
Adjust Stamp Position
Stamp Position : Bottom Right
Adjust Position : X: 4 mm(4 - 144) Y: 8 mm(4 - 144)

The Mandatory Security Information feature enforces document security by automatically appending security information to every document produced. The security information added to documents includes the name or user ID of the originator, the date and time the job was printed, the IP address of originating computer and the serial number of the MFP on which the job was printed.

Mandatory Hold Print (requires HDD option)

To protect confidentiality and reduce waste, the administrator can set the default print setting to ‘hold print’. With ‘hold print’ set as the default, all print output is held within the optional document server

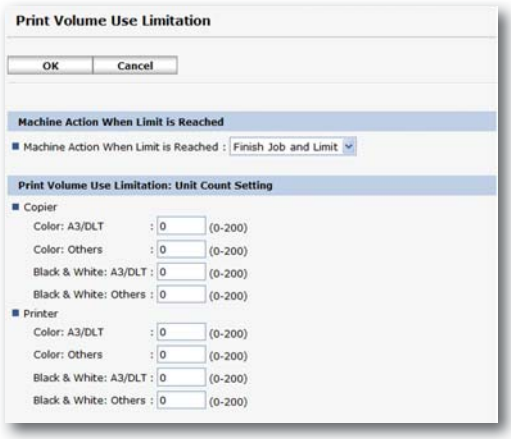
until released by the originator upon collection. Jobs that are no longer required can be deleted without printing, saving paper.

Unauthorised Copy Control

This feature enhances document security by preventing unauthorised copying of confidential documents. A text pattern, such as 'No Copying' is embedded as a watermark on the original document. The watermark is repeated on subsequent copies making them difficult to read. Ricoh MFPs equipped with the Copy Data Security option recognise the watermark and grey out the copy.

Quota Setting
(requires HDD option)

Quota Setting allows the administrator to limit the output of individual users and user groups. By setting page count and user count limits, the administrator is able to control the print environment and reduce cost. Fax output is not restricted. A new Scheduling feature enables the administrator to set the point at which individual users and group print quotas are reset.


Print Volume Use Limitation
OK
Cancel
Machine Action When Limit is Reached
Machine Action When Limit is Reached : Finish Job and Limit
Print Volume Use Limitation: Unit Count Setting
Copier
Color: A3/DLT : 0 (0-200)
Color: Others : 0 (0-200)
Black & White: A3/DLT : 0 (0-200)
Black & White: Others : 0 (0-200)
Printer
Color: A3/DLT : 0 (0-200)
Color: Others : 0 (0-200)
Black & White: A3/DLT : 0 (0-200)
Black & White: Others : 0 (0-200)

Workflow Solution Support
(requires HDD option and VM card option)

A VM card is offered as an option. The VM card can be used to run intelligent embedded software applications which can be used to automate, streamline and govern the document workflow. The Streamline NX option, for example, provides the means to authenticate users, restrict access, record usage and hold print securely until released.

Data Overwrite Security and HDD Encryption
(requires HDD option)

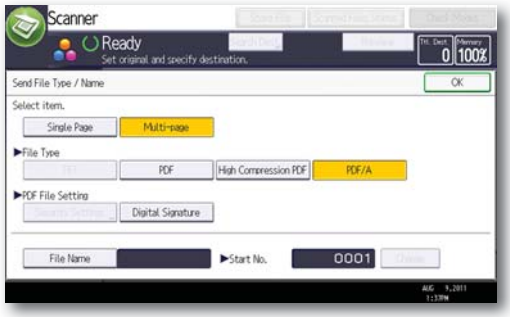
Data Overwrite Security overwrites temporary data held on the MFPs hard drive with random data. The random data is overwritten twice to ensure that the original data cannot be recovered. This method of data overwrite is the USA Department of Defence standard. HDD Encryption protects information by encrypting the address book, authentication information and stored documents.

Output Switch Timer for Fax
(requires HDD option)

To reduce the risk that inbound fax messages are left sitting in a catch tray where they may be read by unauthorised personnel or inadvertently picked up along with other documents, the administrator can set a time schedule for fax output. Inbound fax messages received overnight or at the weekend can be held in memory and automatically printed at a predetermined time.

PDF/A and Digitally Signed PDF

PDF/A is a file format and ISO standard for the long-term archiving of electronic documents. The format locks the document to maintain its originality and records within the document a 'Device Certificate' which identifies the scanning device. Digitally signed PDFs are a regulatory standard for electronic invoicing and a preferred compliance standard for electronic document management.



Enhanced Encryption Level

Enhanced encryption enables the user to select more secure encryption algorithms when encrypting documents saved to PDF. Government and industry compliance regulations may require the customer to adopt one or other enhanced encryption level. The supported algorithms include AES256bit (used by the US government, NESSIE in EU and CRYPTREC in Japan) and SHA-2 (used by the US National Security Agency).

9. Service and Consumables

- **Competitive cost per page**
- **Metered billing**
- **Pay-per-page service contract**
- **Managed service**
- **Transparent pricing**
- **@Remote monitoring**

Aficio MP 301SP and MP 301SPF should be maintained by trained service engineers. Like Ricoh A3 MFPs, service is likely to be offered on a toner inclusive Pay per Page (PpP) basis.

PpP servicing offers the following customer advantages:

- Transparent all inclusive price
- Low pre agreed page cost
- Pay as you go
  (no need to stock expensive consumables)
- Full service provision
- Full control and visibility of print cost

Aficio MP 301SP and MP 301SPF have similar running costs to Aficio MP 201F and MP 201SPF. Although the running costs are similar, sales people must refer to their service or sales management for actual service pricing.

The new machines are reliable and resilient. With target MCBCs (mean copies between calls) of 21,200 pages, customers producing 2,000 pages a month, might expect to need a service visit once every ten or eleven months.

Using @Remote, the devices can be monitored in a real-time with the Ricoh service operation able to identify issues before they become apparent to users and deliver consumable items such as toner in advance of need.

Consumable yields are provided below.

Consumables - Aficio MP 301SP / MP 301SPF		
Toner yield [1]		8 000 prints
Developer yield		45 000 prints
Photoconductor		45 000 prints
Print Volume	Average:	2 000 prints
	Maximum:	5 000 prints
	Duty:	20 000 prints
Maintenance	PM cycle:	45 000 prints
	MCBC:	21 200 prints
Machine life		5 years or 300 000 prints, whichever comes first

[1] A4 paper, 6% toner coverage

10. Specifications

Engine Specifications - Aficio MP 301SP / MP 301SPF	
First print speed	5.4 sec (A4 SEF)
Engine speed	30 ppm (A4 SEF)
Duplex speed	18 ppm (A4 SEF)
One to one copy speed	30 cpm (A4 SEF, no R/E)
Resolution	600 × 600 dpi (scan / copy / print)
Bit-depth	8 / 1 / 1 bit per colour (scan / copy / print)
Memory	1 GB
Hard disk drive	128 GB*
Input paper capacity	350 / 1 350 sheets (std/max)
Output paper capacity	250 sheets
Dimensions (w×d×h)	476 × 450 × 426 / 476 × 450 × 451 mm
Weight machine	24.0 / 26.0 kg

* Option

Paper Specifications - Aficio MP 301SP / MP 301SPF				
Standard tray		250 sheets	A4 - A5	60 - 90 g/m²
Bypass tray		100 sheets Envelopes	A4 - A6	60 - 157 g/m²
Paper bank[1] PB1040		500 sheets	A4 - A5	60 - 90 g/m²
Duplex unit		Unlimited	A4 - A5	60 - 90 g/m²
ARDF[2] DF1030	Simplex	50 sheets	A4 - A5	52 - 128 g/m²
	Duplex	50 sheets	A4 - A5	64 - 105 g/m²
Internal output tray		250 sheets	A4 - A6	-

[1] Option, max 2

[2] SP = Option, SPF = Standard

Copier Specifications - Aficio MP 301SP / MP 301SPF		
General	Multi copy:	Up to 99
	Enlargement:	2× (141, 200%)
	Reduction:	3× (93, 71, 50%)
	Zoom:	25% - 400% (1% steps)
	Auto Magnification Selection:	No
	Auto Paper Selection:	No
	Auto Tray Switch:	Standard
	Original mode:	Text, Text/Photo, Photo
Sorting	Electronic Sort:	Standard
	Shift Sort:	No
	Rotate sort:	No
	Stack:	No
Document creation	Book to simplex:	No
	Duplex to simplex:	Standard
	Combine (x-in-1):	Standard
	Magazine mode:	No
	Chaptering:	No
	Cover-sheet insertion:	No
	Paper designate:	No
	OHP Slip sheet:	No
	Double Copy:	No
	Sample Copy:	No
Programming	User Program:	Standard (25)
	User Codes:	Standard (1000)
	Job Preset:	Standard
	Job Interrupt:	No
	Special Paper Display:	Standard
	2 Language Panel Switch:	Standard
Image Editing	Centre/Border Erase:	No
	Margin Adjustment:	No
	Centring:	No
	Image Repeat:	No
	Colour Conversion:	Not apllicable
	Colour Erase:	Not apllicable
	Colour background:	Not apllicable
Stamp	Page Numbering:	No
	Date:	No
	Background Numbering:	No
	User Stamp:	No
	Preset Stamp:	No

Printer Specifications - Aficio MP 301SP / MP 301SPF		
General	Memory:	1 GB
	Harddisk:	128 GB*
	Printer languages:	PCL5e/6, Adobe PostScript3
	Interfaces:	USB 2.0 type A/B, 10/100Base-Tx 1000Base-T*, IEEE802.11a/g*, Bluetooth*, IEEE1284*
	MS Windows driver support:	Win XP/Vista/7/Server2003/2008
	WSD support:	Standard
Printer Features	PDF Direct Print:	Standard
	Sample Print:	Option (HDD)
	Locked Print:	Option (HDD)
	Hold Print:	Option (HDD)
	Stored Print:	Option (HDD)
	PictBridge compatible:	No
	Print from USB/SD:	Standard
Others	DDNS compatible:	Standard
	NDPS Gateway (Novell):	Standard
	Bonjour (Macintosh OS X):	Standard
	Unix Filter (Unix/Linux):	Standard
	CUPS support (Unix/Linux):	Standard
	Custom Device Type (SAP/R3):	Standard
	Device Option Utility (Citrix):	Standard
	HPT Support (IBM AS/400):	Standard

* Option

Fax Specifications - Aficio MP 301SP / MP 301SPF		
General	Circuit:	PSTN, PBX
	Compatibility:	ITU-T G3
	Number of lines:	1 × Super G3
	Resolution:	Standard (200 × 100 dpi) Detail (200 × 200 dpi)
	Compression method:	MH, MR, MMR, JBIG
	Scanning speed:	2.4 seconds per page
	Modem speed:	33.6 Kbps
	Transmission speed [1]:	~ 2 seconds
	LDAP support:	Standard
	SAF memory:	4 MB
	Memory backup:	12 hours
	Quick dial:	200 / 2000 (std/max)
	Group dial:	10
Fax Features	Book Fax:	Standard
	Fax Forwarding:	Standard
	LAN Fax:	Standard
	IP Fax (ITU-T T.38):	Standard (requires HDD)
	Internet Fax (ITU-T T.37):	No / Standard [Simple Mode] (requires HDD)

[1] ITU-T No. 1 chart (Slerexe) in standard mode, JBIG

* Option

Scanner Specifications - Aficio MP 301SP / MP 301SPF		
General	Optical resolution:	600 dpi / 3×8 bit
	Preset resolution:	100 / 200 / 300 / 400 / 600 dpi
	Scan speed:	30 ipm (A4, 200dpi, B/W)
		30 ipm (A4, 200dpi, Colour)
	Scan area:	216 × 356 mm (contact glass)
		A4 (ARDF)
	Interfaces:	10/100Base-Tx
		1000Base-T*, IEEE802.11a/g*
	WSD support:	Standard
	sRGB support:	No
	LDAP search:	Standard
	Preview before transmission:	Standard
	File format:	Single/Multi page TIFF
		Single JPEG
		Single/Multi page PDF
		High compression PDF
Features	Scan to e-mail:	Standard
	Scan to URL:	Option (HDD)
	Scan to SMB:	Standard
	Scan to NCP:	Standard
	Scan to FTP:	Standard
	Scan to USB/SD:	Standard
	Network TWAIN:	Standard

* Option

Interface Specifications - Aficio MP 301SP / MP 301SPF		
10/100Base-Tx (Ethernet)	Data Transmission Speed:	100, 10 Mbps
	Protocol:	TCP/IP (v4/v6), IPX/SPX*
USB2.0 type A/B	Data Transmission Speed:	12 / 480 Mbps (FullSpeed / Hi-Speed)
1 000Base-T* (Gigabit Ethernet)	Data Transmission Speed:	1 000, 100, 10 Mbps
	Protocol:	TCP/IP, IPX/SPX*
IEEE802.11a/g* (Wireless LAN)	Data Transmission Speed:	54 Mbps
	Protocol:	TCP/IP, IPX/SPX*
	Security:	WEP / WPA / WPA 2
Bluetooth*	Data Transmission Speed:	1 Mbps
	Distance:	10 m (max)
IEEE1284* (Parallel)	Data Transmission Speed:	0.5 - 2 Mbps

* Option

Security Specifications - Aficio MP 301SP / MP 301SPF		
Authentication	Windows Authentication:	Standard
	LDAP Authentication:	Standard
	Basic Authentication:	Standard
	User Code Authentication:	Standard
	Integration Server Authentication:	Standard
	SMTP Authentication (email):	Standard
	POP before SMTP (email):	Standard
NIB Access Control	IP range restriction:	Standard
	IP port restriction:	Standard
	Protocol restriction:	Standard
Encryption	SSL (IPP/WEB/SDM):	Standard
	IPsec:	Standard
	S/MIME (email):	Standard
	SNMPv3 (SDM):	Standard
	HDD encryption:	Standard
	Addressbook encryption:	Standard
	PDF Password encryption:	Standard
	Authentication password encryption:	Standard
	WPA2 (Wireless LAN):	Standard
Others	Data Overwrite Security:	Standard
	Locked print:	Option (HDD)
	Protect Stored Documents (DS):	Standard
	MFP Menu protection:	Standard
	Unauthorized Copy Control (print):	Standard
	Copy Data Security Unit (copy):	Option (Type F)

Environmental Specifications - Aficio MP 301SP / MP 301SPF		
Energy Consumption	Operating mode:	450 W
	Ready mode:	83.5 W
	- Warm-up time:	23 seconds
	Off/Sleep mode:	3.1 W
	- Recovery time:	9.9 seconds
	Maximum energy use:	1100 W
	TEC (Energy Star):	1511 / 1535 W/h
Emission & Design for Recycling	TVOC emission:	0.66 mg/h
	Dust emission:	0.39 mg/h
	Noise (Sound Power) Operating:	65.4 dB (A)
	Noise (Sound Power) Standby:	31.3 dB (A)
	PxP Toner:	No
	Toner Cartridge Recycling:	No
Compliance to Labels, ISO standards and Legislation	Energy Star:	Yes
	Blue Angel (BAM):	Yes
	ISO 9001:2000 (Quality):	Yes
	ISO 14001 :2004 (Environment):	Yes
	ISO 18001 (Health and Safety):	Yes
	ISO 11469 / ISO 1043 (Plastic):	Yes
	WEEE:	Yes
	RoHS:	Yes

11. EDP Codes

Machine and Option EDP Codes - Aficio MP 301SP / MP 301SPF					
Category	Item	Product Name	EDP Code	Must Install	Cannot Install
Mainframe	MP 301SP	Ricoh Aficio MP 301SPF	416183	Platen cover or ARDF	
		NRG MP 301SP	416342	Platen cover or ARDF	
	MP 301SPF	Ricoh Aficio MP 301SPF	416186		Platen cover, ARDF or fax
		NRG MP 301SPF	416345		Platen cover, ARDF or fax
Paper Feed	500 sheet paper feed unit	Paper Feed Unit PB1040	416203		Maximum 2 units
	Cabinet	Cabinet	TBA		
Original Feed	Platen Cover	Platen Cover PN1010	416019		ARDF
	ARDF	ARDF DF1030	416020		Platen cover
Print	NetWare	SD card for NetWare printing Type I	416196		
	Unicode 1 license	Unicode Font Package for SAP 1 License	413009	HDD	
	Unicode 10 licenses	Unicode Font Package for SAP 10 License	413010	HDD	
	Unicode 100 licenses	Unicode Font Package for SAP 100 License	413011	HDD	
Fax	Fax	Fax Option Type 301	416189		
	Handset	Handset Type C5502	TBA	Fax	
	Remote Fax	Fax Connection Unit Type C	TBA	Fax (central machine)	
Interfaces	Gigabit ethernet	Gigabit Ethernet Board Type A	402547		Parallel interface, wireless interface or file format convertor
	Bluetooth interface	Bluetooth Interface Unit Type D	415818		Wireless interface
	Parallel interface	IEEE 1284 Interface Board Type A	411699		Gigabit ethernet interface, wireless interface or file format convertor
	Wireless interface	IEEE 802.11a/g Interface Unit Type J	414009		Gigabit ethernet interface, parallel interface, bluetooth interface or file format convertor
	Wireless interface	IEEE 802.11g Interface Unit Type K	414186		Gigabit ethernet interface, parallel interface, bluetooth interface or file format convertor
Feature Expansion	Browser	Browser Unit Type G	416331		
	HDD	Hard Disk Drive Option Type 301	416195	HDD	
	File format converter	File Format Converter Type E	414007		Gigabit ethernet interface, wireless interface or parallel interface
	VM card	VM CARD Type U	416164	HDD	
Security	Copy Data Security Unit	Copy Data Security Unit Type F	413985		
	Data Overwrite Security	Data Overwrite Security Unit Type I	416372		
	Counter interface	Optional Counter Interface Unit Type A	413012		

OI Kits - Aficio MP 301SP / MP 301SPF					
Language	Description	EDP Code	Language	Description	EDP Code
English	OI301EN	974870	Norwegian	OI301NR	974879
French	OI301FR	974871	Portuguese	OI301PR	974880
German	OI301GE	974872	Polish	OI301PL	974881
Italian	OI301IT	974873	Finnish	OI301FN	974882
Dutch	OI301NL	974874	Danish	OI301DN	974883
Spanish	OI301SP	974875	Catalan	OI301CA	974884
Swedish	OI301SW	974876	Turkish	OI301TU	974885
Czech	OI301CZ	974877	Russian	OI301RU	974886
Hungarian	OI301HN	974878	Greek	OI301GR	974887

Consumables for Aficio MP 301SP / MP 301SPF			
Item	Product Name	EDP Code	Targeted Yield
Ricoh branded toner	Toner MP 301E	841711	8,000sheets/btl
NRG branded toner	Toner MP 301	841712	8,000sheets/btl
Infotec branded toner	Toner MP 301	841713	8,000sheets/btl

12. Competition

- **More productive (quick start up technology and faster throughput)**
- **Easier to use (tilting touch-screen display and icon based print drivers)**
- **More energy efficient (lower total energy consumption and integral duplex)**
- **Workflow enabled (customisable home screen and ability to run Streamline NX)**
- **More secure (print mandatory security information and DOSS / Encryption option)**
- **Cost effective (low TCO, PpP contract and inbuilt governance)**

Five Star Advantages

We have compared the specifications of Aficio MP 301SP and MP 301SPF against the specifications of their closest competitors, identifying five star advantages against each.

Data was obtained from the web and from brochures. Whilst care was taken to ensure that information is accurate, no liability will be accepted for errors and omissions.

The models compared are:

Aficio MP 301SPF ★★★★★ versus

Canon iR1133
Canon iR1024i
HP LJ M3027 MFP
HP LJ M3035 MFP
Konica Minolta 240f
Kyocera FS-1128MFP
Samsung SCX-5835FN
Xerox WC M20i
Xerox Phaser 3635MFP/S

Model	Aficio MP 301SPF	Canon iR1133	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	No	Fax included in price of MFF
Scanner	Std (colour)	Std (mono)	Colour scanning included in price ★
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	413 x 450 x 472 mm	
Footprint	0.214m2	0.212m2	
Weight	26 kg	19.1 kg	
Control panel	Color touch screen	Keypad	Easier to use ★
TEC (kW/h)	1.535KWh	1.3KWh	
Performance			
Warm-up Time	<30 sec	11 sec	
First Page	<6 sec	8 sec	Faster one-off prints and copies
Multi Page	30 cpm	33 cpm	
Duty Cycle	20,000	Info not avail	Handle large peak volumes
Paper Supply			
Stations (std/max)	2/4	1/3	Hold a wide range of stock online
Capacity (std/max)	350/1350	500/1050	Fewer breaks for paper replenshment
Paper Weights	60 to 90 gsm	60 to 128 gsm	★
Output Size (min/max)	A6/A4	A6/A4	
Document Handling			
Document Feed	Std RADF	None	Simplifies scanning process ★
Capacity (spd/cap)	30 opm/50 orig	Not applicable	
Duplex	Auto (1:2,2:1,2:2)	Auto (1:2,2:2,2:1)	
Bypass (cap/wght)	100/60 to 157 gsm	50/60 to 190 gsm	Larger bypass capacity
Facsimile			
Modem Speed	33.6 Kbps	Not applicable	
Multiple Lines	No	Not applicable	
Broadcast (Grps/Dest)	10/500	Not applicable	Send one document to multiple recipients
Scanner			
Speed (col/mon)	30/30 ipm	-/14 ipm	Scan and save colour documents
TWAIN Compatible	Yes	Yes	
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	300 MHz	Process complex print documents faster
System Memory	1-GB RAM	256-MB RAM	
Language (std/opt)	PCL, PS3, PDF / -	UFR II LT / PCL & PS3	Uses industry standard drivers ★
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Ethernet / Wireless	Wide range of networking options
Resolution	600 x 600 dpi	600 x 600 dpi	
Options	1 or 2 x 500 sheet PFU	1 x 500 sheet PFU	
	Cabinet	Pedestal	
	Gigabit Ethernet Interface	Wireless Interface	
	Wireless Interface	Barcode printing	
	Parallel Interface	PCL 6 printing	
	120GB Hard Drive	PostScript 3 printing	
	VM Card	Card reader	
	SD Card for Netware	Card reader attachment kit	
	Copy Data Security	MiCARD attachment kit	
	File Format Converter	Interface copy contro	
	Browser		
	Counter Interface Unit		
	Unicode Font Packages		

Model	Aficio MP 301SPF	Canon iR1024i	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	No	Fax included in price of MFF
Scanner	Std (colour)	Std (colour)	
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	453 x 520 x 457 mm	
Footprint	0.214m2	0.238m2	Compact design saves space
Weight	26 kg	24.1 kg	
Control panel	Color touch screen	Keypad	Easier to use ★
TEC (kW/h)	1.535KWh	Info not avail	
Performance			
Warm-up Time	<30 sec	19 sec	
First Page	<6 sec	8 sec	Faster one-off prints and copies
Multi Page	30 cpm	24 cpm	25% more productive ★
Duty Cycle	20,000	Info not avail	Handle large peak volumes
Paper Supply			
Stations (std/max)	2/4	1/3	Hold a wide range of stock online
Capacity (std/max)	350/1350	500/1100	Fewer breaks for paper replenshment
Paper Weights	60 to 90 gsm	64 to 90 gsm	
Output Size (min/max)	A6/A4	A5/A4	A6 is a banking sector requirement ★
Document Handling			
Document Feed	Std RADF	Std RADF	
Capacity (spd/cap)	30 opm/50 orig	20 opm/50 orig	Speeds scanning process
Duplex	Auto (1:2,2:1,2:2)	Auto (1:2,2:2,2:1)	
Bypass (cap/wght)	100/60 to 157 gsm	100/56 to 128 gsm	Feed card and envelopes
Facsimile			
Modem Speed	33.6 Kbps	Not applicable	
Multiple Lines	No	Not applicable	
Broadcast (Grps/Dest)	10/500	Not applicable	Send one document to multiple recipients
Scanner			
Speed (col/mon)	30/30 ipm	6/20 ipm	Scan colour documents at high speed ★
TWAIN Compatible	Yes	Yes	
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	192 MHz	Process complex print documents faster
System Memory	1-GB RAM	256-MB RAM	
Language (std/opt)	PCL, PS3, PDF / -	PCL / -	PostScript printing is a standard feature ★
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Ethernet	Wide range of networking options
Resolution	600 x 600 dpi	600 x 600 dpi	
Options	1 or 2 x 500 sheet PFU	500 sheet paper drawer	
	Cabinet	1 x 500 sheet PFU	
	Gigabit Ethernet Interface	Pedestal	
	Wireless Interface	Barcode printing	
	Parallel Interface		
	120GB Hard Drive		
	VM Card		
	SD Card for Netware		
	Copy Data Security		
	File Format Converter		
	Browser		
	Counter Interface Unit		
	Unicode Font Packages		

Model	Aficio MP 301SPF	HP LJ M3027 MFP	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	No	Fax included in price of MFF ★
Scanner	Std (colour)	Std (mono)	Colour scanning included in price ★
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	530 x 426 x 485 mm	
Footprint	0.214m2	0.207m2	
Weight	26 kg	27.6 kg	
Control panel	Color touch screen	Touch screen	Easier to use ★
TEC (kW/h)	1.535KWh	Info not avail	
Performance			
Warm-up Time	<30 sec	Info not avail	
First Page	<6 sec	10 sec	Faster one-off prints and copies ★
Multi Page	30 cpm	25 cpm	20% more productive ★
Duty Cycle	20,000	75,000	
Paper Supply			
Stations (std/max)	2/4	1/3	Hold a wide range of stock online
Capacity (std/max)	350/1350	500/1100	Fewer breaks for paper replenshment
Paper Weights	60 to 90 gsm	60 to 120 gsm	
Output Size (min/max)	A6/A4	A6/A4	
Document Handling			
Document Feed	Std RADF	Std RADF	
Capacity (spd/cap)	30 opm/50 orig	Info not avail/50 orig	
Duplex	Auto (1:2,2:1,2:2)	Manual	
Bypass (cap/wght)	100/60 to 157 gsm	100/60 to 199 gsm	
Facsimile			
Modem Speed	33.6 Kbps	Not applicable	
Multiple Lines	No	Not applicable	
Broadcast (Grps/Dest)	10/500	Not applicable	Send one document to multiple recipients
Scanner			
Speed (col/mon)	30/30 ipm	Info not avail	Scan colour documents at high speed
TWAIN Compatible	Yes	No	Supports industry standard scanning applications
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	400 MHz	Process complex print documents faster
System Memory	1-GB RAM	256-MB RAM, 40-GB HD	
Language (std/opt)	PCL, PS3, PDF / -	PCL, PS3 / -	Easy to use single-click print drivers
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Ethernet / Wireless	Wide range of networking options
Resolution	600 x 600 dpi	600 x 600 dpi	
Options	1 or 2 x 500 sheet PFU Cabinet Gigabit Ethernet Interface Wireless Interface Parallel Interface 120GB Hard Drive VM Card SD Card for Netware Copy Data Security File Format Converter Browser Counter Interface Unit Unicode Font Packages	500 sheet paper drawer Ethernet Interface Gigabit Ethernet Interface External print server Wireless Interface Parallel Interface Hard drive HP AutoStore software HP Digital Send software	

Model	Aficio MP 301SPF	HP LJ M3035 MFP	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	No	Fax included in price of MFF ★
Scanner	Std (colour)	Std (mono)	Colour scanning included in price ★
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	530 x 426 x 485 mm	
Footprint	0.214m2	0.207m2	
Weight	26 kg	27.6 kg	
Control panel	Color touch screen	Touch screen	Easier to use ★
TEC (kW/h)	1.535KWh	Info not avail	
Performance			
Warm-up Time	<30 sec	Info not avail	
First Page	<6 sec	9 sec	Faster one-off prints and copies ★
Multi Page	30 cpm	33 cpm	
Duty Cycle	20,000	75,000	
Paper Supply			
Stations (std/max)	2/4	1/3	Hold a wide range of stock online
Capacity (std/max)	350/1350	500/1100	Fewer breaks for paper replenshment
Paper Weights	60 to 90 gsm	60 to 120 gsm	
Output Size (min/max)	A6/A4	A6/A4	
Document Handling			
Document Feed	Std RADF	Std RADF	
Capacity (spd/cap)	30 opm/50 orig	Info not avail/50 orig	
Duplex	Auto (1:2,2:1,2:2)	Auto (1:2,2:2,2:1)	
Bypass (cap/wght)	100/60 to 157 gsm	100/60 to 199 gsm	
Facsimile			
Modem Speed	33.6 Kbps	Not applicable	
Multiple Lines	No	Not applicable	
Broadcast (Grps/Dest)	10/500	Not applicable	Send one document to multiple recipients
Scanner			
Speed (col/mon)	30/30 ipm	Info not avail	Scan and save colour documents ★
TWAIN Compatible	Yes	No	Supports industry standard scanning applications
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	400 MHz	Process complex print documents faster
System Memory	1-GB RAM	256-MB RAM, 40-GB HD	
Language (std/opt)	PCL, PS3, PDF / -	PCL, PS3 / -	Easy to use single-click print drivers
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Ethernet / Wireless	Wide range of networking options
Resolution	600 x 600 dpi	600 x 600 dpi	
Options	1 or 2 x 500 sheet PFU Cabinet Gigabit Ethernet Interface Wireless Interface Parallel Interface 120GB Hard Drive VM Card SD Card for Netware Copy Data Security File Format Converter Browser Counter Interface Unit Unicode Font Packages	500 sheet paper drawer Ethernet Interface Gigabit Ethernet Interface External print server Wireless Interface Parallel Interface Hard drive HP AutoStore software HP Digital Send software	

Model	Aficio MP 301SPF	Kon-Min 240f	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	Std	
Scanner	Std (colour)	Std (colour)	
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	446 x 520 x 506 mm	
Footprint	0.214m2	0.263m2	Compact design saves space
Weight	26 kg	23.9 kg	
Control panel	Color touch screen	Touch screen	Easier to use ★
TEC (kW/h)	1.535KWh	2.8KWh	Saves energy and reduces environmental impact
Performance			
Warm-up Time	<30 sec	20 sec	
First Page	<6 sec	6 sec	
Multi Page	30 cpm	24 cpm	25% more productive ★
Duty Cycle	20,000	9,000	Handle greater peak volumes
Paper Supply			
Stations (std/max)	2/4	1/3	Hold a wide range of stock online
Capacity (std/max)	350/1350	500/1050	Fewer breaks for paper replenshment
Paper Weights	60 to 90 gsm	60 to 90 gsm	
Output Size (min/max)	A6/A4	A6/A4	
Document Handling			
Document Feed	Std RADF	Std ADF	ARDF will scan double-sided originals ★
Capacity (spd/cap)	30 opm/50 orig	31 opm/80 orig	
Duplex	Auto (1:2,2:1,2:2)	Auto (1:2)	
Bypass (cap/wght)	100/60 to 157 gsm	50/60 to 120 gsm	Feed card and envelopes ★
Facsimile			
Modem Speed	33.6 Kbps	33.6 Kbps	
Multiple Lines	No	No	
Broadcast (Grps/Dest)	10/500	200/2,030	
Scanner			
Speed (col/mon)	30/30 ipm	20/31 ipm	Scan colour documents at high speed
TWAIN Compatible	Yes	Yes	
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	400 MHz	Process complex print documents faster
System Memory	1-GB RAM	256-MB RAM	
Language (std/opt)	PCL, PS3, PDF / -	PCL, XPS / PS3	PostScript printing is a standard feature ★
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Ethernet	Wide range of networking options
Resolution	600 x 600 dpi	600 x 600 dpi	
Options	1 or 2 x 500 sheet PFU	500 sheet paper drawer	
	Cabinet	Cabinet	
	Gigabit Ethernet Interface	Wireless Interface	
	Wireless Interface	Barcode printing	
	Parallel Interface	Postcript 3	
	120GB Hard Drive	Key counter	
	VM Card		
	SD Card for Netware		
	Copy Data Security		
	File Format Converter		
	Browser		
	Counter Interface Unit		
	Unicode Font Packages		

Model	Aficio MP 301SPF	Kyocera FS-1128MFP	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	Std	
Scanner	Std (colour)	Std (colour)	
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	430 x 448 x 494 mm	
Footprint	0.214m2	0.221m2	Compact design saves space
Weight	26 kg	18 kg	
Control panel	Color touch screen	Keypad	Easier to use ★
TEC (kW/h)	1.535KWh	Info not avail	
Performance			
Warm-up Time	<30 sec	15 sec	
First Page	<6 sec	6.9 sec	Faster one-off prints and copies
Multi Page	30 cpm	28 cpm	7% more productive ★
Duty Cycle	20,000	20,000	
Paper Supply			
Stations (std/max)	2/4	1/4	
Capacity (std/max)	350/1350	250/800	Fewer breaks for paper replenshment ★
Paper Weights	60 to 90 gsm	60 to 120 gsm	
Output Size (min/max)	A6/A4	A5/A4	A6 is a banking sector requirement ★
Document Handling			
Document Feed	Std RADF	Std RADF	
Capacity (spd/cap)	30 opm/50 orig	30 opm/50 orig	
Duplex	Auto (1:2,2:1,2:2)	Auto (1:2,2:2,2:1)	
Bypass (cap/wght)	100/60 to 157 gsm	50/60 to 220 gsm	
Facsimile			
Modem Speed	33.6 Kbps	33.6 Kbps	
Multiple Lines	No	No	
Broadcast (Grps/Dest)	10/500	20/100	
Scanner			
Speed (col/mon)	30/30 ipm	7/20 ipm	Scan colour documents at high speed ★
TWAIN Compatible	Yes	Yes	
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	667 MHz	
System Memory	1-GB RAM	256-MB RAM	
Language (std/opt)	PCL, PS3, PDF / -	PCL, PS3, XPS / -	Easy to use single-click print drivers
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Std Ethernet	Wide range of networking options
Resolution	600 x 600 dpi	1200 x 1200 dpi	
Options	1 or 2 x 500 sheet PFU Cabinet Gigabit Ethernet Interface Wireless Interface Parallel Interface 120GB Hard Drive VM Card SD Card for Netware Copy Data Security File Format Converter Browser Counter Interface Unit Unicode Font Packages	250 sheet paper drawer Cabinet Gigabit Ethernet Interface Ethernet Print server Wireless Interface Barcode printing	

Model	Aficio MP 301SPF	Samsung SCX-5835FN	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	Std	
Scanner	Std (colour)	Std (mono)	Colour scanning included in price ★
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	547 x 500 x 465 mm	
Footprint	0.214m2	0.233m2	Compact design saves space
Weight	26 kg	23.1 kg	
Control panel	Color touch screen	Color touch screen	
TEC (kW/h)	1.535KWh	Info not avail	
Performance			
Warm-up Time	<30 sec	50 sec	Reduced waiting time ★
First Page	<6 sec	9.5 sec	Faster one-off prints and copies ★
Multi Page	30 cpm	33 cpm	
Duty Cycle	20,000	80,000	
Paper Supply			
Stations (std/max)	2/4	1/3	Hold a wide range of stock online
Capacity (std/max)	350/1350	500/1050	Fewer breaks for paper replenshment ★
Paper Weights	60 to 90 gsm	79 to 90 gsm	
Output Size (min/max)	A6/A4	A6/A4	
Document Handling			
Document Feed	Std RADF	Std RADF	
Capacity (spd/cap)	30 opm/50 orig	33 opm/50 orig	
Duplex	Auto (1:2,2:1,2:2)	Auto (1:2,2:2,2:1)	
Bypass (cap/wght)	100/60 to 157 gsm	50/60 to 163 gsm	
Facsimile			
Modem Speed	33.6 Kbps	33.6 Kbps	
Multiple Lines	No	No	
Broadcast (Grps/Dest)	10/500	100/209	
Scanner			
Speed (col/mon)	30/30 ipm	-/33 ipm	Scan and save colour documents ★
TWAIN Compatible	Yes	Yes	
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	360 MHz	Process complex print documents faster
System Memory	1-GB RAM	256-MB RAM, 80-GB HD	
Language (std/opt)	PCL, PS3, PDF / -	PCL, PS3 / -	Easy to use single-click print drivers
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Ethernet	Wide range of networking options
Resolution	600 x 600 dpi	600 x 600 dpi	
Options	1 or 2 x 500 sheet PFU Cabinet Gigabit Ethernet Interface Wireless Interface Parallel Interface 120GB Hard Drive VM Card SD Card for Netware Copy Data Security File Format Converter Browser Counter Interface Unit Unicode Font Packages	500 sheet paper drawer	

Model	Aficio MP 301SPF	Xerox WC M20i	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	Std	
Scanner	Std (colour)	Std (mono)	Colour scanning included in price ★
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	488 x 441x 540 mm	
Footprint	0.214m2	0.238m2	Compact design saves space
Weight	26 kg	26 kg	
Control panel	Color touch screen	Keypad	Easier to use ★
TEC (kW/h)	1.535KWh	Info not availKWh	
Performance			
Warm-up Time	<30 sec	11 sec	
First Page	<6 sec	8 sec	Faster one-off prints and copies
Multi Page	30 cpm	22 cpm	36% more productive ★
Duty Cycle	20,000	20,000	
Paper Supply			
Stations (std/max)	2/4	1/3	Hold a wide range of stock online
Capacity (std/max)	350/1350	550/1200	Fewer breaks for paper replenshment
Paper Weights	60 to 90 gsm	60 to 90 gsm	
Output Size (min/max)	A6/A4	A5/A4	
Document Handling			
Document Feed	Std RADF	Std RADF	
Capacity (spd/cap)	30 opm/50 orig	20 opm/50 orig	Speeds scanning process ★
Duplex	Auto (1:2,2:1,2:2)	Auto (1:2,2:2,2:1)	
Bypass (cap/wght)	100/60 to 157 gsm	100/60 to 163 gsm	
Facsimile			
Modem Speed	33.6 Kbps	33.6 Kbps	
Multiple Lines	No	No	
Broadcast (Grps/Dest)	10/500	199/199	
Scanner			
Speed (col/mon)	30/30 ipm	-/20 ipm	Scan and save colour documents ★
TWAIN Compatible	Yes	Yes	
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	166 MHz	Process complex print documents faster
System Memory	1-GB RAM	32-MB RAM	
Language (std/opt)	PCL, PS3, PDF / -	PCL, PS3 / -	Easy to use single-click print drivers
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Ethernet	Wide range of networking options
Resolution	600 x 600 dpi	600 x 600 dpi	
Options	1 or 2 x 500 sheet PFU	550 sheet paper tray	
	Cabinet	Cabinet	
	Gigabit Ethernet Interface	Foreign device interface	
	Wireless Interface	Network Authentication kit	
	Parallel Interface		
	120GB Hard Drive		
	VM Card		
	SD Card for Netware		
	Copy Data Security		
	File Format Converter		
	Browser		
	Counter Interface Unit		
	Unicode Font Packages		

Model	Aficio MP 301SPF	Xerox Phaser 3635MFP/S	Advantages
Functionality			
Copier	Std	Std	
Printer	Std	Std	
Fax	Std	No	Fax included in price of MFF ★
Scanner	Std (colour)	Std	
Physical			
Dimensions (HxWxD)	451 x 476 x 450 mm	543 x 472 x 478 mm	
Footprint	0.214m2	0.226m2	Compact design saves space
Weight	26 kg	22.1 kg	
Control panel	Color touch screen	Color touch screen	
TEC (kW/h)	1.535KWh	Info not avail	
Performance			
Warm-up Time	<30 sec	25 sec	
First Page	<6 sec	9 sec	Faster one-off prints and copies ★
Multi Page	30 cpm	33 cpm	
Duty Cycle	20,000	75,000	
Paper Supply			
Stations (std/max)	2/4	1/3	Hold a wide range of stock online ★
Capacity (std/max)	350/1350	500/1050	Fewer breaks for paper replenshment ★
Paper Weights	60 to 90 gsm	60 to 105 gsm	
Output Size (min/max)	A6/A4	A6/A4	
Document Handling			
Document Feed	Std RADF	Std RADF	
Capacity (spd/cap)	30 opm/50 orig	Info not avail/50 orig	
Duplex	Auto (1:2,2:1,2:2)	Auto (1:2,2:2,2:1)	
Bypass (cap/wght)	100/60 to 157 gsm	50/60 to 163 gsm	
Facsimile			
Modem Speed	33.6 Kbps	Not applicable	
Multiple Lines	No	Not applicable	
Broadcast (Grps/Dest)	10/500	Not applicable	Send one document to multiple recipients
Scanner			
Speed (col/mon)	30/30 ipm	-/33 ipm	Scan and save colour documents ★
TWAIN Compatible	Yes	Yes	
LDAP Support	Yes	Yes	
Printer			
Processor	533 MHz	360 MHz	Process complex print documents faster
System Memory	1-GB RAM	256-MB RAM, 80-GB HD	
Language (std/opt)	PCL, PS3, PDF / -	PCL, PS3 / -	Easy to use single-click print drivers
Interface (std/opt)	Eth / Wifi, GigEth, Par, Bth	Ethernet	Wide range of networking options
Resolution	600 x 600 dpi	600 x 600 dpi	
Options	1 or 2 x 500 sheet PFU Cabinet Gigabit Ethernet Interface Wireless Interface Parallel Interface 120GB Hard Drive VM Card SD Card for Netware Copy Data Security File Format Converter Browser Counter Interface Unit Unicode Font Packages	500 sheet paper drawer Stand Fax VoIP adapter Network fax server Wireless Interface Foreign device interface	

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